

ABSTRACT OF THE DISCLOSURE

An ultrasonic vibration apparatus includes a casing having a vibration face, a piezoelectric element mounted in the casing, and a disk-like vibration plate supported at a position along a concentric circle differentiating two regions, an inner region and an outer region. In the ultrasonic vibration apparatus, the disk-like vibration plate is constructed so as to be a part of the casing serving as the vibration face, and, the piezoelectric element is mounted in the central part of the disk-like vibration plate, thereby causing the inner region and the outer region to vibrate in substantially the same phase.

09699670 103000